

**Appendix A**  
**Version with Markings to Show Changes Made**

1. A kit comprising:

a first set of primers selected so that one of the primers hybridizes to a first portion of a human  $\beta_2$ -adrenergic receptor gene, which first portion includes a sequence encoding position 16 of said human  $\beta_2$ -adrenergic receptor, in such a manner that, when used in a polymerase chain reaction, said [second] first set of primers amplifies said portion when position 16 is Arg but not when position 16 is Gly; and

a second set of primers selected so that one of the primers hybridizes to a first portion of a human  $\beta_2$ -adrenergic receptor gene in such a manner that, when used in a polymerase chain reaction, said second set of primers amplifies said portion when position 16 is Gly but not when position 16 is Arg,

said first and second sets of primers being provided together in a container.

2. The kit of claim 1 further comprising a component selected from the group consisting of: amplification buffer, water, DNA polymerase, first control DNA including a first human  $\beta_2$ -adrenergic receptor gene allele that encodes Arg at human  $\beta_2$ -adrenergic receptor position 16, second control DNA including a second human  $\beta_2$ -adrenergic receptor gene allele that encodes Gly at human  $\beta_2$ -adrenergic receptor position 16, instructions for use, and combinations thereof.

5. The kit of claim [3] 4, wherein said sequencing primer is fluorescently labeled for use in an automated genetic analyzer.

6. The kit of claim 3 further comprising a component selected from the group consisting of amplification buffer, water, DNA polymerase, first control DNA including a first human  $\beta_2$ -

adrenergic receptor gene allele that encodes Arg at human  $\beta_2$ -adrenergic receptor position 16, second control DNA including a second human  $\beta_2$ -adrenergic receptor gene allele that encodes Gly at human  $\beta_2$ -adrenergic receptor position 16, instructions for use, and combinations thereof.